CLAIMS

1. Computing machine (1) comprising a RAM (3) and a mass memory (5) in which an operating system is stored, characterized in that the mass memory (5) comprises a partition (8) that is read-only accessible to the operating system, said partition (8) containing a startup function, an automatic repair function, and a function for mounting said operating system.

2. Computing machine according to claim 1, characterized in that said startup function comprises a first code sequence for loading the contents of the partition (8) into RAM (3) and a second code sequence for activating in RAM said automatic repair function.

3. Computing machine according to claim 2, characterized in that said automatic repair function comprises a third code sequence that calls said mounting function, executable in RAM (3) with write capability in at least one other partition (9) of the mass memory (5).

4. Computing machine according to claim 3, characterized in that said automatic repair function comprises a fourth code sequence for acknowledging an error indicated by said mounting function and a fifth code sequence for restarting the machine after the acknowledgement of the error.

5. Computing machine according to claim 4, characterized in that said partition (8) contains a standard acknowledgement function and in that the fourth code sequence calls said standard acknowledgement function executable in RAM with write capability in at least one other partition (9) of the mass memory.

6. Computing machine according to any of the preceding claims, characterized in that the mass memory (5) is a hard disk.

7. Method for automatically starting a computing machine (1) comprising a RAM (3) and a mass memory (5), characterized in that it comprises:

- a first step (14) that starts the machine (1) by means of a signal (7);

- a second step (15) that automatically loads into RAM (3) the contents of a partition (8) of the mass memory (5);
- a third step (16) that automatically mounts an operating system from the RAM (3);
- a fourth step (17) that automatically acknowledges any error indicated in the third step (16) and that reactivates the second step (15).

8. Method according to claim 7, characterized in that it comprises, in the manufacturing phase of the machine (1):

- a fifth step (11) that creates partitions (8, 9) in the mass memory (5);
- a sixth step (12) that stores at least part of the operating system and functions for executing the second, third and fourth steps (15, 16, 17) in a first partition (8);
- a seventh step (14) that declares said first partition (8) to be read-only accessible to said operating system.